In the Claims:

Please amend the claims as follows:

1. (Currently amended) A storage management service system, comprising: a storage on demand (SoD) center system eomputer; a storage subsystem including a plurality of storage devices and a plurality of I/O ports; and

a host computer <u>coupled to</u>, <u>said host computer</u>, said storage subsystem, <u>and and to</u> said SoD center system computer interconnected by a communications network; said host computer comprising a software agent, said software agent providing an interface between said SoD center system computer and an operating system resident on said host computer; and wherein

said SoD center system computer receives input of an SoD demand, said SoD demand including a request to specify a storage resource, sends said demand to an SoD resource manager, which manages storage resources of said storage subsystem; and wherein said SoD resource manager storage subsystem receives said demand from said SoD center system computer, makes said storage resource usable, and thereupon updates a device management table and an I/O port management table, in which a current status of at least one of a plurality of resources is recorded, and to which said SoD resource manager refers when managing said at least one of a plurality of resources, and sends a management result to the SoD center system computer; and wherein

said SoD center system computer receives said management result from said SoD resource manager, and thereupon stores said management result.

2. (Currently amended) The system of claim 1, wherein if said demand requires request includes an I/O path setting to be updated, said SoD center system computer sends an I/O path setting request to said software agent running in said host computer; and wherein said host computer software agent receives said I/O path setting request from said SOD center system computer, and thereupon requests said an operating system to update an I/O path setting table based upon said I/O path setting request, and receives an update result from said

operating system, and thereupon sends a setting result to said SoD center system computer, and wherein said SoD center system computer receives said setting result from said software agent, and thereupon stores said setting result.

- 3. (Currently amended) The system of claim 1, wherein said host computer and said storage subsystem are <u>coupled</u> connected directly by physical and logical connections made between at least one of a plurality of host I/O controllers and at least one of a plurality of subsystem I/O ports.
- 4. (Currently amended) The system of claim 1, wherein said host computer and said storage subsystem are <u>coupled</u> eonnected by a network switch between at least one of a plurality of host I/O controllers and at least one of a plurality of subsystem I/O ports.
- 5. (Original) The system of claim 4, wherein said network switch comprises a fibre channel network switch.
 - 6. (Currently amended) A storage apparatus comprising:
 -a- memory;

at least one of a plurality of storage devices that store information;

at least one of a plurality of I/O ports providing an interface to said at least one of a plurality of storage devices that store information;

a device management <u>store</u> table, in which a status of said at <u>least one of a</u> plurality of <u>storage</u> devices that store information is stored, and an I/O port management <u>store</u> table, in which a status of said at <u>least one of a</u> plurality of I/O ports is stored, <u>said device</u> management table and <u>said I/O port management table being disposed in said memory</u>; and

a storage resource management processor; wherein

said storage management processor receives a demand for storage resources, the demand specifying one of said storage devices, and thereupon updates said device management store table and said I/O port management store table, and sends a management result responsive to said demand for storage resources; and wherein updates to at least one of a plurality of paths

connecting to storage resources allocated from said at least one of a said plurality of storage devices that store information are automatically defined to an operating system of a user machine by a remotable software agent.

- 7. (Currently amended) The apparatus of claim 6, said at least one of a plurality of storage devices that store information comprising at least one of a magnetic disk, an optical disk, a magnetic-optical disk, and -a semiconductor memory.
- 8. (Original) The apparatus of claim 6, further comprising a communications interface to a network, said storage management processor receiving said demand for storage resources over said network.
- 9. (Original) The apparatus of claim 6, further comprising a fibre channel switch, said fibre channel switch providing capability to connect to at least one of a plurality of host computers.
- 10. (Currently amended) A method for configuring a host computer to access resources in a remotable storage subsystem, said host computer, said remotable storage subsystem, and a center system computer interconnected by a communication network, said method comprising:

receiving at said host computer an I/O path setting request from said center system computer, said I/O path setting request <u>specifying a path to a resource</u> comprising information about resources in said remotable storage subsystem allocated for use by said host computer;

requesting an operating system resident in said host computer to update an I/O path setting table based upon said I/O path setting request;

receiving an update result from said operating system; and sending a setting result to said center system computer based upon said update result.

- 11. (Currently amended) The method of claim 10, wherein updating said I/O path setting table comprises: storing an indication that a particular I/O port in said storage subsystem is accessible to a particular host I/O controller.
- 12. (Currently amended) The method of claim 10, further comprising: receiving at said center system computer an input of a demand for storage resources;

determining whether sufficient resources exist in order to meet said demand; sending said demand for storage resources to said storage subsystem, if sufficient resources were determined to exist;

receiving from said storage subsystem a management result, said management result indicating whether storage resources have been successfully allocated in accordance with said demand;

storing said management result;

determining whether said demand includes an I/O path setting request; sending said I/O path setting request to said host emputer, if said demand included an I/O path setting request;

receiving said setting result from said host computer; and storing said setting result.

13. (Currently amended) The method of claim 12, further comprising: receiving said demand for storage resources at said storage subsystem; determining whether said demand includes a command to make at least one of a plurality of installed devices available;

updating a device management <u>store</u> table, if said demand includes a command to make at least one of a plurality of installed devices available;

updating an I/O port management <u>store</u> table; and sending a resource management result to said center computer system.

- 14. (Currently amended) The method of claim 13, wherein updating a device management store table comprises: storing an indication that a particular device is usable.
- 15. (Currently amended) The method of claim 13, wherein updating a I/O port management store table comprises: storing an indication that a particular I/O port is usable.
- 16. (Currently amended) The method of claim 13, further comprising: receiving at said storage subsystem an I/O command to access storage resources from said host computer;

determining whether storage resources requested by said I/O command are usable; performing said I/O command, if said storage resources requested by said I/O command are usable, otherwise rejecting said I/O command; and sending an I/O result to said host computer.

- 17. (Currently amended) The method of claim 16, wherein determining whether storage resources requested by said I/O command are usable comprises:

 searching said device management <u>store</u> table to determine whether devices requested in said I/O command are usable.
- 18. (Currently amended) The method of claim 17, wherein determining whether storage resources requested by said I/O command are usable further comprises: searching said I/O port management store table to determine whether I/O ports requested in said I/O command are usable and whether devices requested in said I/O command are accessible via I/O ports requested in said I/O command.
- 19. (Currently amended) A computer program product for configuring a host eomputer to access resources in a remotable storage subsystem, said host eomputer, said remotable storage subsystem, and a center system computer interconnected by a communication network, said computer program product comprising:

code that receives at said host emputer an I/O path setting request from said center system emputer, said I/O path setting request specifying a path to a resource comprising information about resources in said remotable storage subsystem allocated for use by said host computer;

code that requests an operating system resident in said host computer to update an I/O path setting table based upon said I/O path setting request;

code that receives an update result from said operating system;

code that sends a setting result to said center system computer based upon said update result; and

a computer readable storage medium for holding the codes.

20. (Currently amended) The computer program product of claim 19, further comprising:

code that receives at said center system computer an input of a demand for storage resources;

code that determines whether sufficient resources exist in order to meet said demand;

code that sends said demand for storage resources to said storage subsystem, if sufficient resources are determined to exist;

code that receives from said storage subsystem a management result, said management result indicating whether storage resources have been successfully allocated in accordance with said demand;

code that stores said management result;

code that determines whether said demand includes an I/O path setting request; code that sends said I/O path setting request to said host computer, if said demand includes an I/O path setting request;

code that receives said setting result from said host computer; and code that stores said setting result.

Please add the following claims:

- 21. (New) The storage management system of claim 1, wherein said storage resource includes said storage devices.
- 22. (New) A method comprising:

 displaying graphically at least one representation of at least one host controller;

 displaying graphically at least one representation of at least one storage device;

 displaying graphically at least one representation of at least one port available for

 connection between said at least one host controller and said at least one storage device; and

 enabling a user to specify the I/O path between a host controller, a port and a

 storage resource using the displayed graphical representations.
- 23. (New) The method of claim 22, wherein said enabling step includes updating a management table to set the I/O path specified by the user.
- 24. (New) The method of claim 22, wherein said enabling step includes instructing an operating system on the host computer to update an I/O path setting based upon the I/O path specified by the user.
- 25. (New) The method of claim 22, further comprising sending a result indicating whether the I/O path was successfully set to a center system.
- 26. (New) The method of claim 22, wherein said enabling step is associated with a storage on demand request.